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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of     **Complete if Known**

Application Number	09/812,988
Filing Date	March 20, 2001
First Named Inventor	Sharad Narayan
Art Unit	3761
Examiner Name	
Attorney Docket Number	016770 004300US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
LCS Cen	AA	US-4,819,834	04-11-1989	Thiel	cell =
	AB	US-5,435,282	06-25-1995	Haber et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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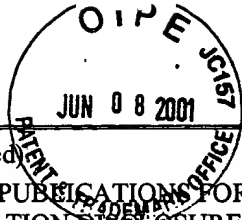
5-18-03

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

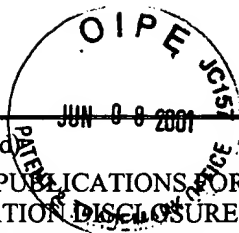
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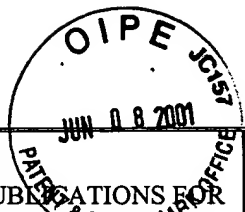


FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Attorney Docket No.: 016770-004300US	Application No.: 09/812,988
	Applicant: Sharad Narayan et al.	
	Filing Date: March 20, 2001	Group:

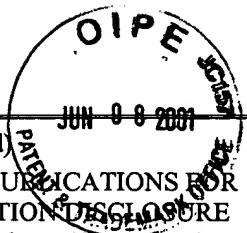
Reference Designation		U.S. PATENT DOCUMENTS				Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>107</u> A	3,558,052	01/71	Dunn	293	3	
<u>    </u> B	3,738,574	06/73	Guntersdorfer et al.	239	102	
<u>    </u> C	3,790,079	02/74	Berglund et al.	239	3	
<u>    </u> D	3,804,329	04/74	Martner	239	4	
<u>    </u> E	3,812,854	05/74	Michaels et al.	128	194	
<u>    </u> F	3,950,760	04/76	Ilse-dore Stromberger et al.	346	140	
<u>    </u> G	3,958,249	05/76	DeMaine et al.	346	1	
<u>    </u> H	3,983,740	10/76	Danel	73	12	
<u>    </u> AA	4,005,435	01/77	Lundquist et al.	346	1	
<u>    </u> AB	4,119,096	10/78	Drews	128	194	
<u>    </u> AC	4,159,803	07/79	Cameto et al.	239	102	
<u>    </u> AD	4,226,236	10/80	Genese			
<u>    </u> AE	4,240,081	12/80	Devitt	346	75	
<u>    </u> AF	4,261,512	04/81	Zierenberg	239	102	
<u>    </u> AG	4,268,460	05/81	Boiarski	261	1	
<u>    </u> AH	4,294,407	10/81	Reichl et al.	239	102	
<u>    </u> AI	4,300,546	11/81	Kruber	128	200	
<u>    </u> AJ	4,301,093	11/81	Eck	261	1	
<u>    </u> AK	4,334,531	06/82	Reichl et al.	128	200.14	
<u>    </u> AL	4,336,544	06/82	Donald et al.	346	1.1	
<u>    </u> AM	4,338,576	07/82	Takahashi et al.	331	67	
<u>    </u> AN	4,368,476	01/83	Uehara et al.	346	140 R	
<u>    </u> AO	4,389,071	06/83	Johnson, Jr. et al.	299	14	
<u>    </u> AP	4,408,719	10/83	Last	239	102	
<u>    </u> AQ	4,431,136	02/84	Janner et al.	239	102	
<u>    </u> AR	4,454,877	06/84	Miller et al.	128	200.21	
<u>    </u> AS	4,465,234	08/84	Maehara et al.	239	102	
<u>    </u> AT	4,474,251	10/84	Johnson Jr.	175	67	
<u>    </u> AU	4,474,326	10/84	Takahashi	239	102	
<u>    </u> AV	4,475,113	10/84	Lee et al.	346	1.1	
<u>    </u> AW	4,479,609	10/84	Maeda et al.	239	102	
<u>    </u> AX	4,530,464	07/85	Yamamoto et al.	239	102	



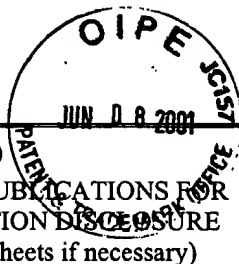
FORM PTO-1449 (Modified)			Attorney Docket No.: 016770-004300US		Application No.: 09/812,988	
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			Filing Date: March 20, 2001		Group:	
<u>65</u> AY	4,533,082	08/85	Maehara et al.	239	102	
AZ	4,539,575	09/85	Nilsson	345	140 R	
BA	4,544,933	10/85	Heinzl	346	140 R	
BB	4,546,361	10/85	Brescia et al.	346	140 R	
BC	4,550,325	10/85	Viola	346	140 R	
BD	4,591,883	05/86	Isayama	346	140 R	
BE	4,593,291	06/86	Howkins	346	1.1	
BF	4,605,167	08/86	Maehara	239	102	
BG	4,620,201	10/86	Heinzl et al.	346	140 R	
BH	4,628,890	12/86	Freeman	123	593	
BI	4,632,311	12/86	Nakane et al.	239	101	
BJ	4,659,014	04/87	Soth et al.	239	102.2	
BK	4,681,264	07/87	Johnson Jr.	239	539.1	
BL	4,702,418	10/87	Carter et al.	239	101	
BM	4,722,906	02/88	Guire			
BN	4,753,579	06/88	Murphy	417	322	
BO	4,790,479	12/88	Matsumoto et al.	239	102.2	
BP	4,793,339	12/88	Matsumoto et al.	128	200.16	
BQ	4,796,807	01/89	Bendig et al.	239	102.2	
BR	4,799,622	01/89	Ishikawa et al.	239	102.2	
BS	4,826,759	05/89	Guire			
BT	4,828,886	05/89	Hieber	427	422	
BU	4,850,534	07/89	Takahashi et al.	239	102.2	
BV	4,865,006	09/89	Nogi et al.	123	590	
BW	4,877,989	10/89	Drews et al.	310	323	
BX	4,888,516	12/89	Daeges et al.	310	323	
BY	4,968,299	11/90	Ahlstrand et al.			
BZ	4,973,493	1/90	Guire			
CA	4,976,259	12/90	Higson et al.			
CB	4,979,959	12/90	Guire			
CC	4,994,043	2/91	Ysebaert			
CD	5,002,582	03/91	Guire et al.			
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CF	5,063,396	11/91	Shiokawa et al.	346	140 R	



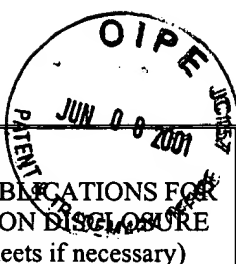
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			Filing Date: March 20, 2001		Group:	
<u>65</u> CG	5,063,922	11/91	Hakkinen	128	200.16	
CH	5,073,484	12/91	Swanson et al.			
CI	5,076,266	12/91	Babaev	128	200.36	
CJ	5,080,649	1/92	Vetter			
CK	5,086,785	02/11/92	Gentile et al.			
CL	5,115,803	05/26/92	Sioutas	128	200.23	
CM	5,139,016	08/92	Waser	128	200.16	
CN	5,140,740	08/25/92	Weigelt			
CO	5,152,456	10/92	Ross et al.	239	102.2	
CP	5,157,372	10/20/92	Langford			
CQ	5,164,740	11/92	Irvi	346	1.1	
CR	5,170,782	12/92	Kocinski	128	200.16	
CS	5,186,164	2/93	Raghuprasad			
CT	5,186,166	2/93	Riggs et al.			
CU	5,198,157	03/93	Bechet	264	9	
CV	5,217,492	06/93	Guire et al.			
CW	5,258,041	11/93	Guire et al.			
CX	5,261,601	11/93	Ross et al.	239	102.2	
CY	5,263,992	11/93	Guire			
CZ	5,297,734	03/94	Toda	239	102.2	
DA	5,299,739	04/94	Takahashi et al.	239	102.2	
DB	5,309,135	05/03/94	Langford			
DC	5,312,281	5/17/94	Takashashi et al.	446	25	
DD	5,320,603	6/94	Vetter et al.			
DE	5,347,998	09/20/94	Hodson et al.	128	200.23	
DF	5,414,075	5/95	Swan et al.			
DG	5,415,161	5/10/95	Ryder	128	200.23	
DH	5,452,711	9/95	Gault			
DI	5,477,992	12/26/95	Jinks et al.	222	402.16	
DJ	5,487,378	1/96	Robertson et al.	128	200.16	
DK	5,512,329	04/96	Guire			
DL	5,512,474	04/96	Clapper et al.			
DM	5,515,841	05/96	Robertson et al.	128	200.16	
DN	5,515,842	05/14/96	Ramseyer et al.			
DO	5,518,179	05/96	Humberstone et al.	239	102.2	
DP	5,533,497	07/96	Ryder	128	200.21	
DQ	5,563,056	10/96	Swan et al.			



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			Group:			
<u>69</u> DR	5,579,757	12/96	McMahon et al.	128	200.21	
DS	5,586,550	12/96	Ivri et al.	128	200.16	
DT	5,637,460	06/97	Swan et al.			
DU	5,654,162	08/97	Guire et al.			
DV	5,654,460	08/97	Rong			
DW	5,655,068	9/97	Takamura			
DX	5,692,644	2/97	Gueret			
DY	5,707,818	1/98	Chudzik et al.			
DZ	5,714,360	02/98	Swan et al.			
EA	5,714,551	2/98	Bezwada et al.			
EB	5,718,222	2/98	Lloyd et al.			
EC	5,744,515	04/98	Clapper			
ED	5,758,637	06/02/98	Ivri et al.	128	200.16	
EE	5,893,515	4/99	Hahn et al.			
EF	5,938,117	08/99	Ivri	239	4	
EG	6,012,450	1/00	Rabsamen			
EH	6,014,970	01/18/00	Ivri et al.			
EI	6,085,740	07/11/00	Ivri et al.			
EJ	6,205,999	3/27/01	Ivri et al.			
EK	6,047,818	4/11/00	Warby et al.			
EL	5,839,617	11/24/98	Cater et al.			
EM	5,664,706	9/9/97	Cater			
EN	5,458,289	10/17/95	Cater			
EO	5,350,116	9/27/94	Cater			
EP	5,348,189	9/20/94	Cater			
EQ	5,217,148	1/8/93	Cater			
ER	5,303,854	4/19/94	Cater			
ES	5,279,568	1/18/94	Cater			
ET	6,163,588	12/19/00	Matsumoto et al.			
EU	5,147,073	9/15/92	Cater			
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	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
EV	1,454,597	11/76	United Kingdom			
EW	0 049 636 A1	04/82	EPO			
EX	0 103 161 A2	03/84	EPO			no
EY	0 134 847 A1	03/85	EPO			
EZ	0 542 723 A2	05/93	EPO			



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				Filing Date: March 20, 2001		Group:	
<u>667</u> EAA	973,458	10/64	Great Britain				
EBB	57-23852	02/82	Japan				no
ECC	57-105608	07/82	Japan				no
EDD	58-61857	04/83	Japan				no
EEE	58-139757	08/83	Japan				no
EFF	60-4714 (A)	01/85	Japan				no
EGG	61-8357 (A)	01/86	Japan				no
EHH	61-215059 (A)	09/86	Japan				no
EII	2-135169	05/90	Japan				yes
EJJ	2-189161	07/90	Japan				no
EKK	WO 92/11050	07/92	PCT				
ELL	WO 93/01404	01/93	PCT				
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FB	GB 2 073 616 A	10/81	UK				
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FE	GB 2 272 389 A	05/18/94	UK				
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FH	GB 2 279 571 A	01/11/95	UK				
FI	2 101 500	1/83	UK				
FJ	477 885	10/69	Switzerland				
FK	555 681	09/74	Switzerland				
FL	0 178 925	04/86	EPO				
FM	WO 92/07600	05/14/92	PCT				
FN	WO 99/63946	12/16/99	PCT				
FO	WO 97/07896	03/06/97	PCT				
FP	WO 96/31289	10/10/96	PCT				
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<u>667</u> FQ	Berglund, R.N., et al. Generation of Monodisperse Aerosol Standards. Environ. Sci. Technology 7:2:147 (1973).						
FR	Allen, T. Particle Size Measurement. Chapman and Hall pp. 167-169 (1981).						
FS	Ueha, S., et al. Mechanism of Ultrasonic Atomization Using a Multi-Pinhole Plate. J. Acoust. Soc. Jpn. (E) 6,1:21 (1985).						
FT	Maehara, N., et al. Influence of the Vibrating System of a Multipinhole-plate Ultrasoic Nebulizer on Its Performance. Review of Scientific Instruments, 57 (11), November 1986, pp. 2870-2876.						



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<u>67</u> FU	Maehara, N., et al. Optimum Design Procedure for Multi-Pinhole-plate Ultrasonic Atomizer. Japanese Journal of Applied Physics, 26:215 (1987).		
FV	Ashgriz, N., et al. Development of a Controlled Spray Generator. Rev. Sci. Instrum. 58(7):1291 (1987).		
FW	Hikayama, H., et al. Ultrasonic Atomizer with Pump Function. Tech. Rpt. IEICE Japan US88-74:25 (1988).		
FX	J. Acoustical Soc. Japan 44:2:116 (1988).		
FY	J. Acoustical Soc. Japan 44:6:425 (1988).		
FZ	Siemens AG, 1989, "INK-JET PRINTING: THE PRESENT STATE OF THE ART," by Wolfgang R. Wehl.		
GA	TSI Incorporated product catalog. Vibrating Orifice Aerosol Generator (1989).		
GB	Gaiser Tool Company catalog, pp. 26, 29-30 (19__).		
GC	Nogi, T., et al. Mixture Formation of Fuel Injection System in Gasoline Engine. Nippon Kikai Gakkai Zenkoku Taikai koenkai Koen Ronbunshu 69:660 (1991).		
GD	D.C. Cipolla et al., "Assesment of Aerosol Delivery Systems for Recombinant Human Deoxyribonuclease," STP Pharma Sciences 4 (1) 50-62, 1994.		
GE	D.C. Cipolla et al., "Characterization of Aerosols of Human Recombinant Deoxyribonuclease I (rhDNase) Generated by Jet Nebulizers," Pharmaceutical Research II 94) 491-498, 1994.		
GF	I. Gonda, "Therapeutic Aerosols," Pharmaceutics, The Sci. of Dosage Form Design, M.E. Aulton, 341-358, 1988.		
GG	Anthony J. Hickey, "Pharmaceutical Inhalation Aerosol Technology," Drugs and the Pharmaceutical Sciences, (54) 172-173.		
EXAMINER <u>Dalton</u> DATE CONSIDERED <u>5/2/03</u>			

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